the year 1995-96, 1996-97 (upto December, 1996) during which the frequency remained above 50.5 Hz are as given below:

Year	Northern Region	Western Region	Southern Region	Eastern Reagion
1995-96	23.4	13.88	0.44	35.85
1996-97 (till Dec., 96)	16.8	10.02	3.60	46.65

(b) The estimated loss of energy by virtue of excess generation is as below:

(Figures in MU)

Year	Northern Region	Western Region	Southern Region	Eastern Reagion
1995-96	266.27	250.0	8.80	678.34
1996-97 (till Dec., 96)	149.30	120.0	40.39	980.77

(c) The Normal operation of frequency is 49.8 to 50.2 Hz. Therefore, the average percentage of the time of the day when the frequency remained 48.5 Hz to 50.2 Hz. (in place of 48.5 to 50 Hz.) for the years 1994-95, 1995-96 and 1996-97 (upto Dec., 96) is given below:

Year	Northern Region	Western Region	Southern Region	Eastern Reagion
1994-95	61.8	60.25	28.93	11.1
1995-96	57.6	64.09	5.38	13.76
1996-97 (till Dec., 96)	55.0	61.66	22.34	9.32

(d) The information is being collected and will be laid on the Table of the House.

Requirement and Generation of Power

2028. SHRI RAMJI LAL:
SHRI AKHILESH DAS:

Will the PRIME MINISTER be pleased to state:

(a) what has been the total requirement and actual generation of power in the country, year-wise from 1994-95 till date;

(b) what has been the short fall in quantity and percentage, year-wise during the same period;

(c) whether massive external assistance is necessary to overcome the power shortage; and

(d) if so, what are the details in this regard?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (DR. S. VENUGOPALCHARI): (a) and (b) The power supply position in the country from 1994-95 to 1996-97 (upto January' 97) is as per details given below:

(Figures in MU net)

Year	Requirement	Availability	Shortage	%
1994-95	352260	327281	24979	7.1
1995-96	389721	354045	35676	9.2
1996-97 (upto January, 97)	340709	302907	37802	11.1

(c) and (d) Some external assistance is required for project funding. The details of ongoing Hydro Electric Projects and Thermal Power Projects execution under external assistance is given in **statement-I & II.**

Statement-I

On-Going he Projects—Execution Under External Assistance

Sl. No.	Name of Project	Capacity No. × MW	Executing Agency	Type of Assistance
1.	Nathpa Jhakri Himachal Pradesh	6×250	NJPC	World Bank
2.	Koyna St. IV Maharashtra	4×250	Govt. of Maharashtra	World Bank
3.	Ghatghar PSS Maharashtra	2×125	Govt. of Maharashtra	OECF
4.	Srisailam LBPH PSS (A.P.)	6×150	APSEB	OECF
5.	Eastern Gandak Canal (Bihar) 3×5	BHPC	OECF	
6.	Teesta Canal Falls (W.B.)	3×3×7.5	WBSEB	OECF
7.	Purulia PSS (W.B.)	4×225	WBSEB	OECF
8.	Dhauliganga (U.P.)	4×70	NHPC	OECF
9.	Dalhasti (J&K)	3×130	NHPC	Bilateral (Indo-French)
10.	Uri (J&K)	4×120	NHPC	Bilateral (Indo-Swedish)
11.	Kalinadi-II (Karnataka)	3×50 + 3×40	KPCL	Bilateral

Statement-II

On-Going Thermal Projects—Execution Under External Assistance

Sl. No.	Name of Project	Capacity No. × MW	Executing Agency	Type of Assistance
1.	Bakreswar TPP	2×210	WBPDCL	OECF
2.	Kahalgaon CCGT	6×33.5 MW GT + 3×30 MW ST	NEEPCO	OECF
3.	Budge-Budge	2×250	CESC	World Bank
4.	Chanderpur	1×500	MSEB	World Bank
5.	Vindhyachal St. II	2×500	NTPC	World Bank
6.	Unchahar St. II	2×210	NTPC	World Bank
7.	Kayamkulam CCPP	350 MW	NTPC	World Bank

Supply of surplus power to Andhra Pradesh and Uttar Pradesh

2029. SHRI JIBON ROY:
DR. Y. RADHAKRISHN MURTY:

Will the PRIME MINISTER be pleased to state:

(a) the reasons for not supplying surplus power of Eastern Grid to Andhra Pradesh and Uttar Pradesh;

(b) whether wheeling charges @ 30 paise/KWH was demanded by GRIDCO when EREB/CEA assessed the same as 7 paise/KWH;

(c) the loss suffered by ER agencies due to non-supply of power from October, 1996 onwards on this account; and

(d) the steps taken by the Ministry of Power to rationalise the demand by GRIDCO?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (DR. S. VENUGOPALACHARI): (a) The supply of surplus power from Eastern Region to Andhra Pradesh was discontinued in May, 1996 for commercial reasons. The Central Govt. has made specific allocation of 150 MW to APSES out of the 15% unallocated Power of the 3 generating stations of NTPC in the Eastern Region. An agreement in this regard has been signed and power is now being supplied to Andhra Pradesh as direct supply of NTPC power to APSEB. The reason for not supplying surplus power of Eastern Region to Northern Region including Uttar Pradesh is due to bottlenecks in transmission in the Eastern Region.

(b) Yes, Sir.

(c) and (d) On an average 30 MU/month was supplied to APSEB from Eastern Region during June '96 to September '96. An estimated loss of Rs. 4.62 crores per month has been suffered by ER agencies from October '96 onwards due to non-supply of power to APSEB. To discuss the issues connected with the levy of wheeling charges as meeting was convened on 20th January, 1997 at New Delhi. The Government of Andhra Pradesh and Orissa have mutually agreed that GRIDCO will receive 17.5 paise as wheeling charges.